

**(IX) CLAIMS APPENDIX**

1. (Previously Presented) A gas barrier coating composition, comprising:  
an inorganic layered compound dispersion (c), wherein an inorganic layered compound (b) is dispersed using a peroxide (a) in a dispersion medium, and  
a gas barrier resin (d); and  
wherein a mixture containing the peroxide (a) and inorganic layered compound (b) in a mixing ratio by mass of (a)/(b) = 2/1 to 1/1000 is dispersion treated in a high speed stirring apparatus and/or a high pressure dispersing apparatus wherein the inorganic layered compound (b) is montmorillonite.
2. (Canceled)
3. (Previously Presented) The gas barrier coating composition according to claim 1, wherein hydrogen peroxide is used as the peroxide (a).
- 4-5. (Canceled)
6. (Previously Presented) The gas barrier coating composition according to claim 1, wherein the total content of the inorganic layered dispersion (c) and gas barrier resin (d) in the gas barrier coating composition is 1 to 30% by mass and the mass ratio (c)/(d) is 30/70 to 70/30.

7. (Previously Presented) The gas barrier coating composition according to claim 1, which contains, as the gas barrier resin (d), at least one resin selected from the group consisting of polyvinyl alcohol-based resins and ethylene-vinyl alcohol-based resins.

8. (Previously Presented) A gas barrier composite plastic film or sheet, which is obtainable by applying the gas barrier coating composition according to claim 1 to at least one of the surfaces of a film or sheet of a plastic selected from the group consisting of polyolefins, polyesters, polyamides and polystyrene in a coating weight to give a dry film thickness of 0.1 to 100  $\mu\text{m}$ .

9. (Original) A gas barrier packaging container, which is obtainable by molding the gas barrier composite plastic film according to Claim 8.

10. (Original) A gas barrier packaging container, which is obtainable by molding the gas barrier composite plastic sheet according to Claim 8.

11. (Previously Presented) A gas barrier packaging container, which is obtainable by applying the gas barrier coating composition according to claim 1 to a plastic container molded in the form of a tube, tray, cup, box or bottle in a coating weight to give a dry film thickness of 0.1 to 100  $\mu\text{m}$ .

12. (Original) A gas barrier packaging container, which is formed of a composite layer consisting of paper and the gas barrier composite plastic film or sheet according to Claim 8.

13. (Previously Presented) A process for producing a gas barrier coating composition according to claim 1,

comprising the step of producing the inorganic layered compound dispersion (c) by admixing a peroxide (a) and an inorganic layered compound (b) in a dispersion medium in a mixing ratio by mass of (a)/(b) = 2/1 to 1/1000 and further treating the resulting mixture in a high speed stirring apparatus and/or a high pressure dispersing apparatus to cleave and distribute the inorganic layered compound (b) in the dispersion medium.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

In re the Application of: **Yutaka MATSUOKA**

Art Unit: **1782**

Application Number: **10/524,680**

Examiner: **Erik Kashnikov**

Filed: **October 18, 2005**

Confirmation Number: **8336**

For: **INORGANIC LAYERED COMPOUND DISPERSION, PROCESS  
FOR PRODUCING THE SAME, AND USE THEREOF**

Attorney Docket Number: **043210**

Customer Number: **38834**

**SUBMISSION OF SUPPLEMENTAL APPEAL BRIEF**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

January 28, 2011

Sir:

In response to the Notice of Non-Compliant Appeal Brief dated January 21, 2011, Applicant submits herewith a Supplemental Appeal Brief.

The Supplemental Appeal Brief includes only a corrected Claims Appendix that includes previously omitted claims 12 and 13.

Respectfully submitted,

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